

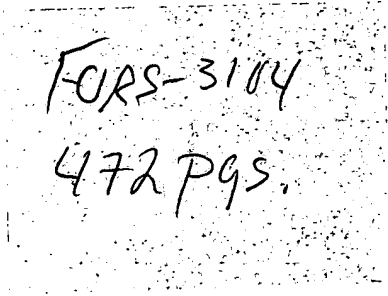
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<b>(21) International Application Number:</b> PCT/US97/21783 <b>(22) International Filing Date:</b> 26 November 1997 (26.11.97) <b>(30) Priority Data:</b> 08/757,653 29 November 1996 (29.11.96) US 08/758,314 2 December 1996 (02.12.96) US <b>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Applications</b> US 08/757,653 (CIP) Filed on 29 November 1996 (29.11.96) US 08/758,314 (CIP) Filed on 2 December 1996 (02.12.96) <b>(71) Applicant (for all designated States except US):</b> THIRD WAVE TECHNOLOGIES, INC. [US/US]; 502 South Rosa Road, Madison, WI 53719 (US). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> KAISER, Michael, W. [US/US]; 2206 Frisch Road, Madison, WI 53711 (US). LYAMICHEV, Victor, I. [RU/US]; 2523 Carriedale Court,		<b>(74) Agents:</b> CARROLL, Peter, G. et al.; Medlen & Carroll, LLP, Suite 2200, 220 Montgomery Street, San Francisco, CA 94104 (US). <b>(81) Designated States:</b> AU, CA, JP, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). <b>Published</b> <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
<b>(54) Title:</b> FEN-1 ENDONUCLEASES, MIXTURES AND CLEAVAGE METHODS			
<b>(57) Abstract</b> <p>The present invention relates to means for the detection and characterization of nucleic acid sequences, as well as variations in nucleic acid sequences. The present invention also relates to improved cleavage means for the detection and characterization of nucleic acid sequences. Structure-specific nucleases derived from a variety of thermostable organisms are provided. These structure-specific nucleases are used to cleave target-dependent cleavage structures, thereby indicating the presence of specific nucleic acid sequences or specific variations thereof.</p> <div style="text-align: center; margin-top: 20px;"></div>			